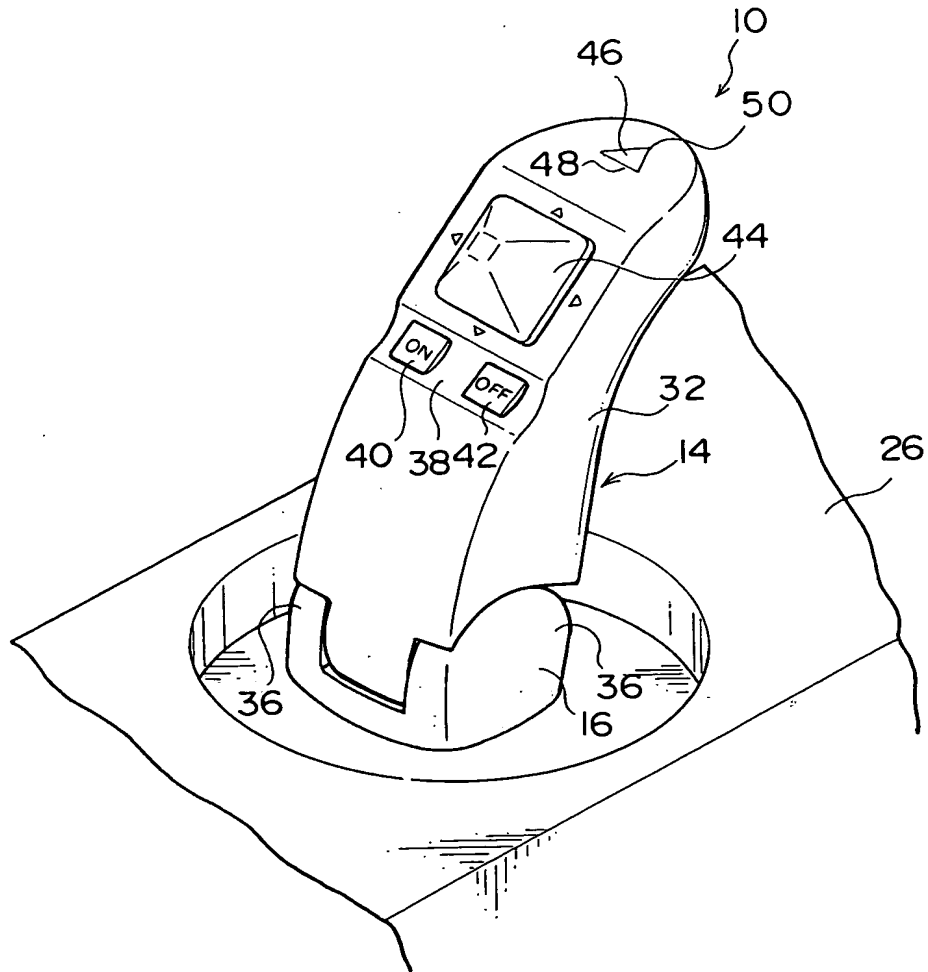


FIG. 1



2005-03-04 10:00:00

2005-03-04 10:00:00

FIG.2

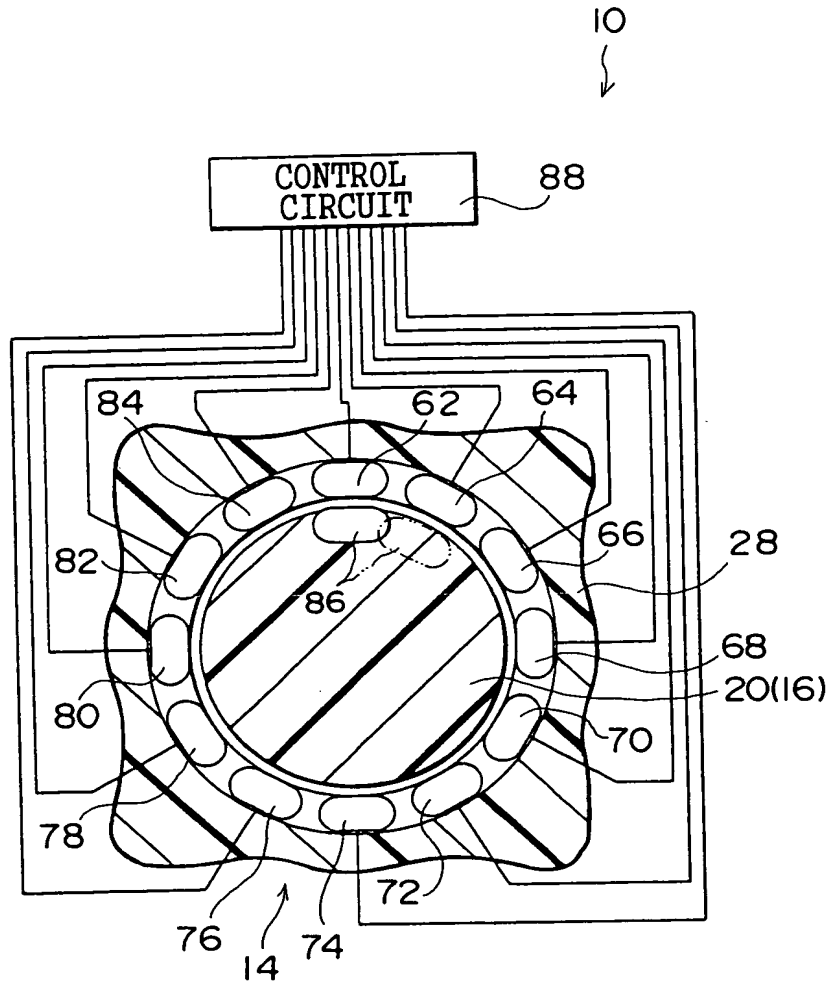


FIG.3

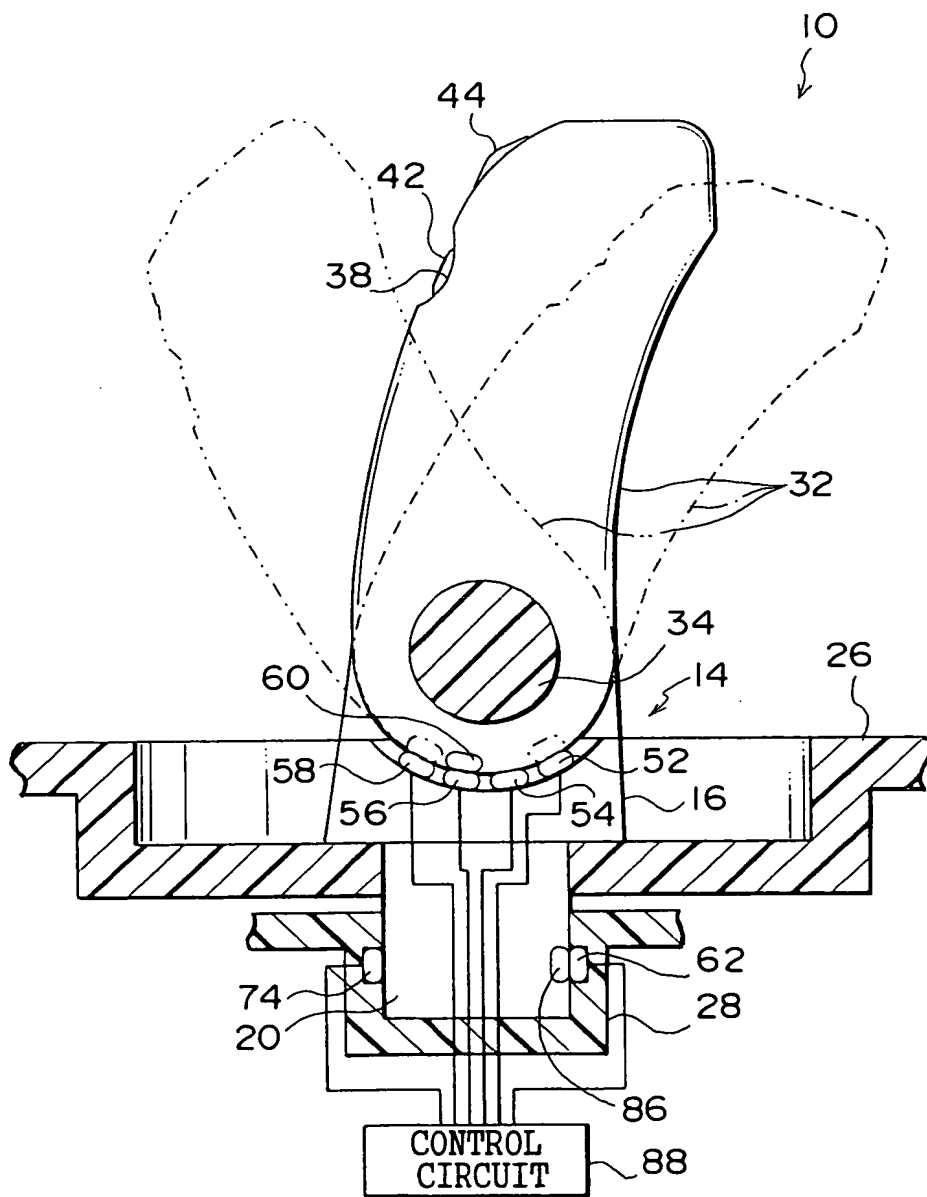


FIG. 4

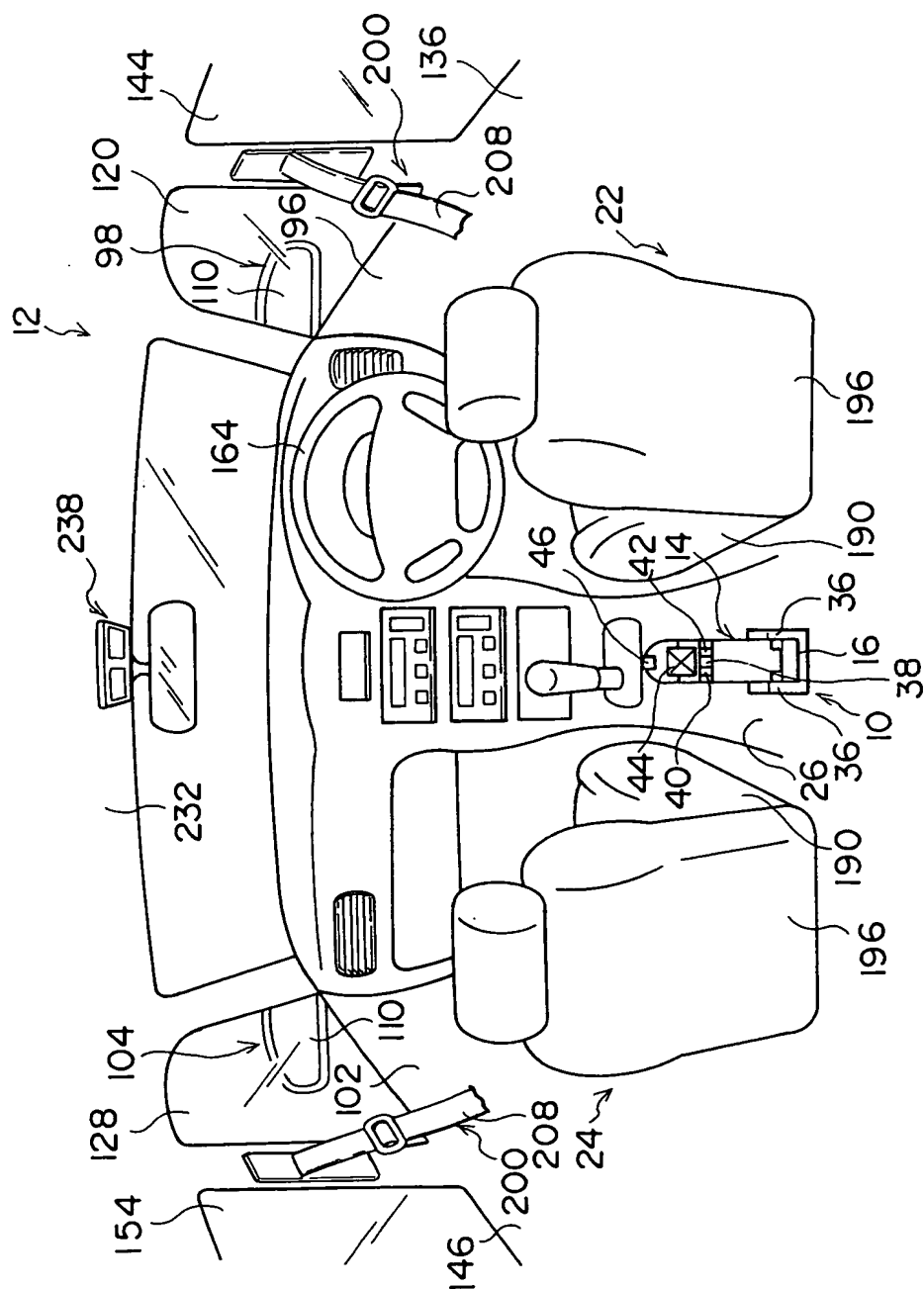


FIG.5

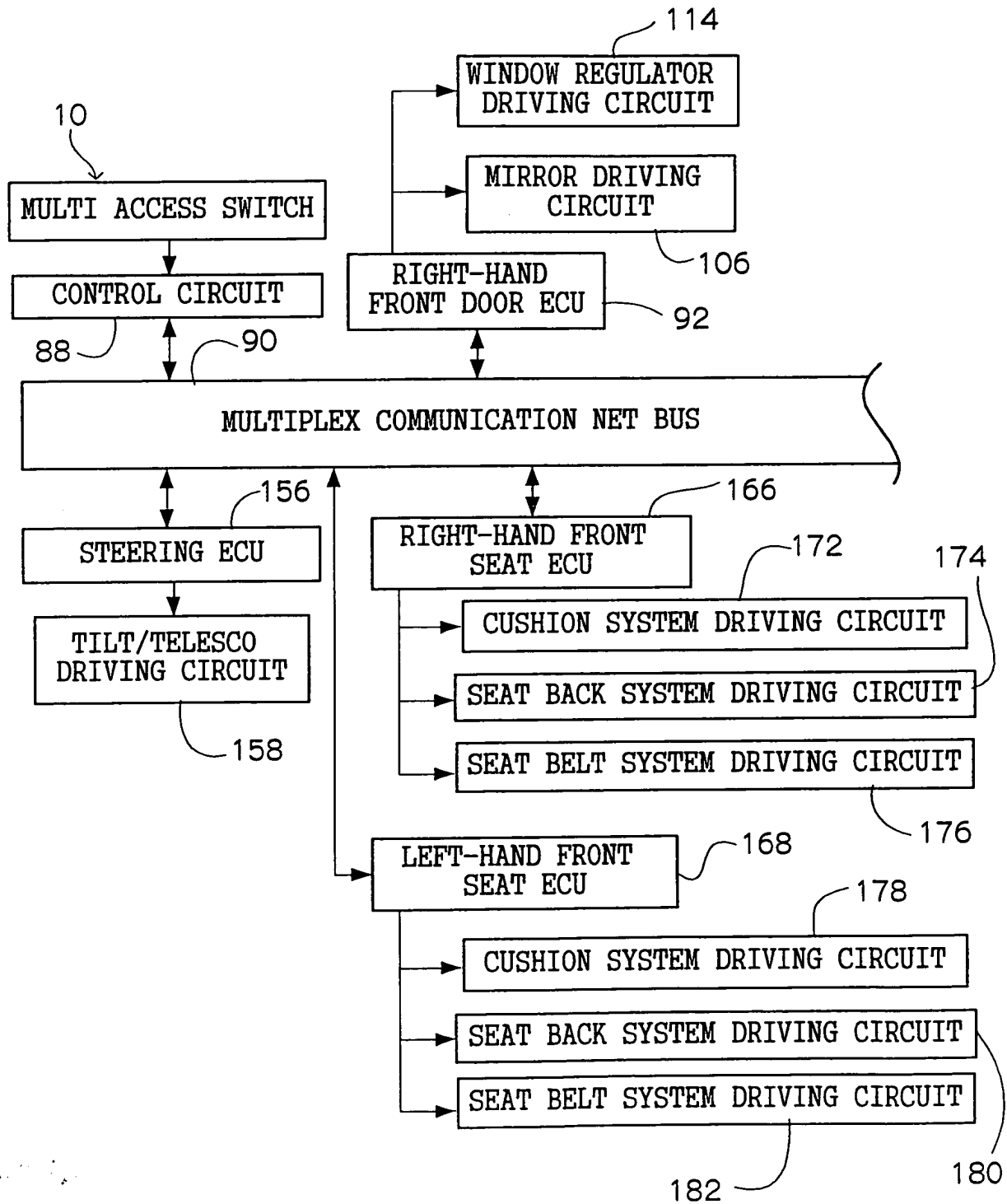


FIG.5
(CONTINUED)

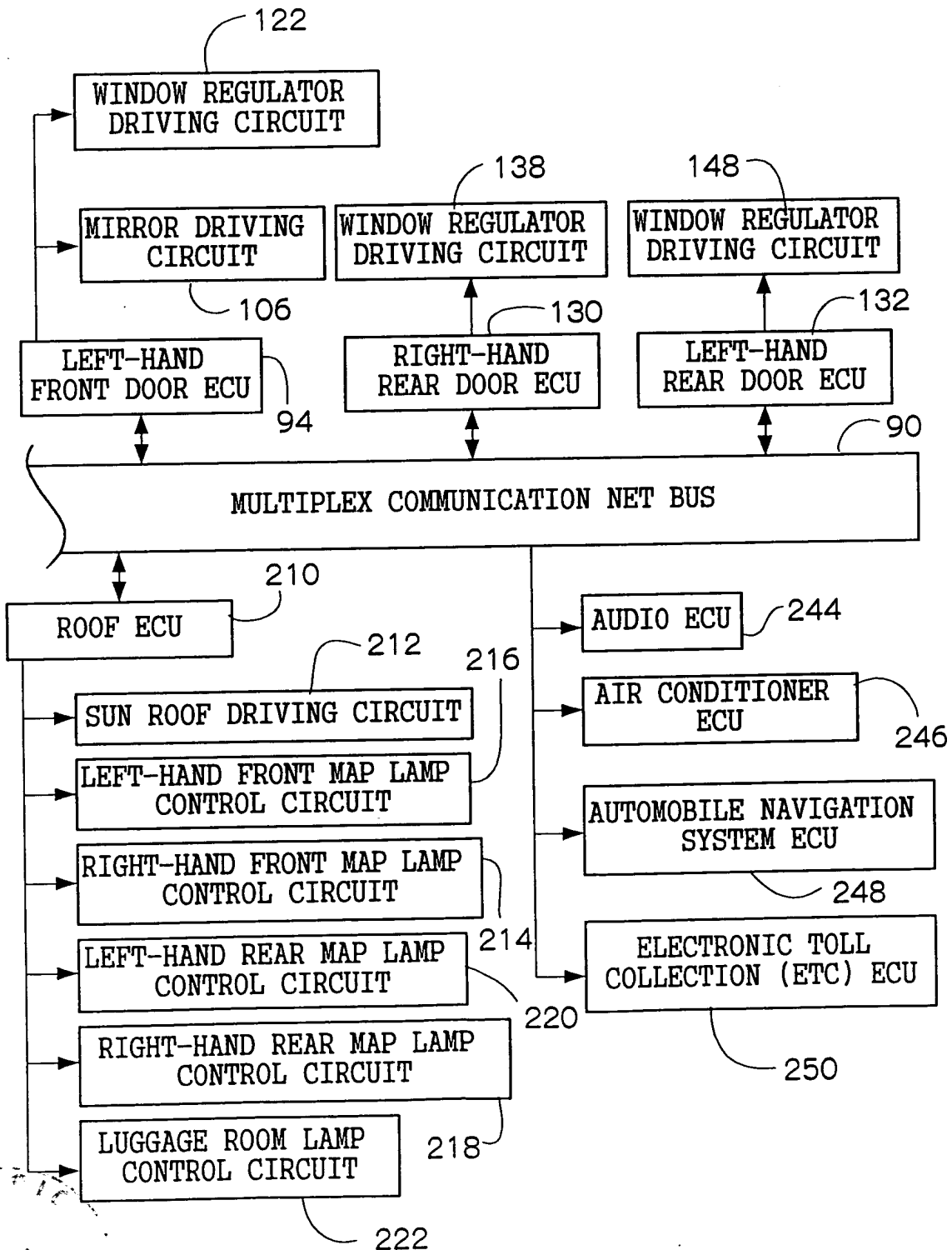


FIG.6

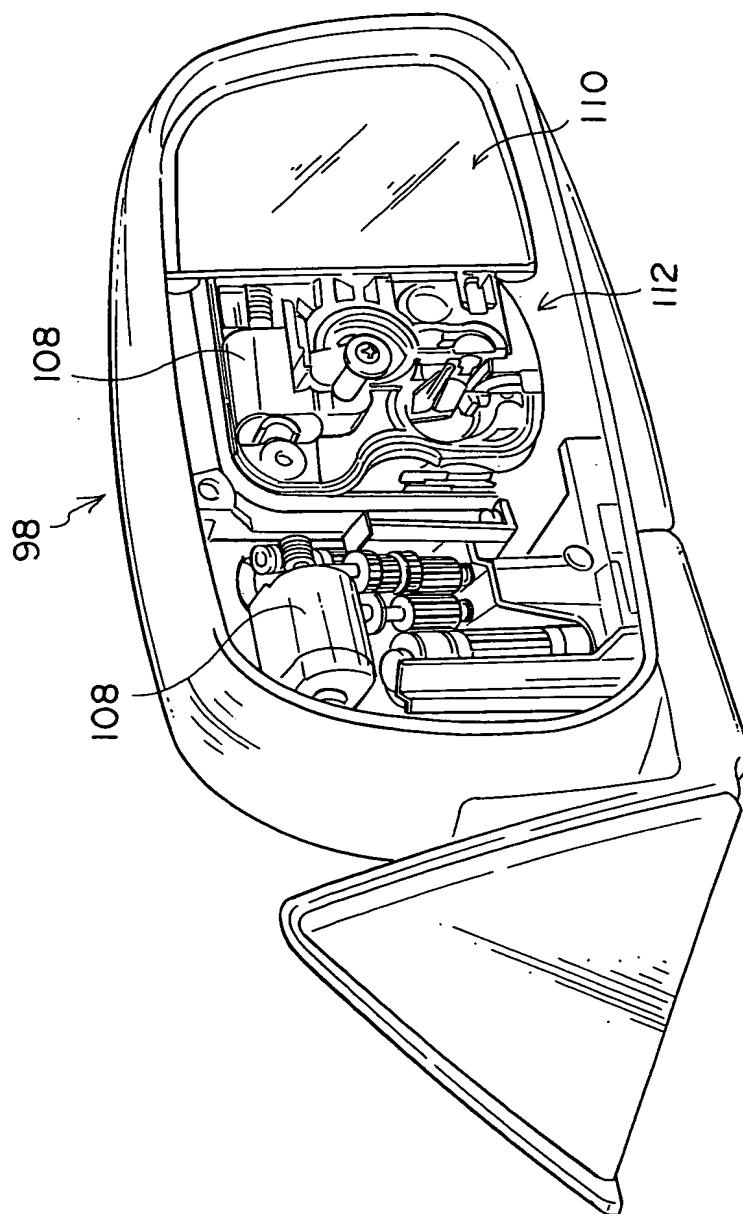
RELATIONSHIPS BETWEEN ENERGIZED STATE OF SWITCHES 52 TO 58,
62 TO 84 AND CONTROLLABLE ECU BY CONTROLLER 14

	SWITCH 62	SWITCH 64	SWITCH 66	SWITCH 68	SWITCH 70	SWITCH 72
SWITCH 52	ROOF ECU 210 (SUN ROOF DRIVING CIRCUIT 212)					
SWITCH 54	AUTOMOBILE NAVIGATION SYSTEM ECU 248	ROOF ECU 210 (RIGHT-HAND FRONT MAP LAMP CONTROL CIRCUIT 10)	RIGHT-HAND FRONT DOOR ECU 92 (WINDOW REGULATOR DRIVING CIRCUIT 114)	RIGHT-HAND FRONT SEAT ECU 166 (SEAT BELT SYSTEM DRIVING CIRCUIT 176)	RIGHT-HAND REAR DOOR ECU 132 (WINDOW REGULATOR DRIVING CIRCUIT 138)	ROOF ECU 210 (RIGHT-HAND REAR MAP LAMP CONTROL CIRCUIT 218)
SWITCH 56	AUDIO ECU 244	RIGHT-HAND FRONT DOOR ECU 92 (MIRROR DRIVING CIRCUIT 100)		RIGHT-HAND FRONT SEAT ECU 166 (SEAT BACK SYSTEM DRIVING CIRCUIT 174)		
SWITCH 58	AIR CONDITIONER ECU 246	STEERING ECU 156		RIGHT-HAND FRONT SEAT ECU 166 (SEAT CUSHION SYSTEM DRIVING CIRCUIT 172)		

FIG.6
(CONTINUED)

	SWITCH 74	SWITCH 76	SWITCH 78	SWITCH 80	SWITCH 82	SWITCH 84
SWITCH 52	ROOF ECU 210 (LUGGAGE ROOM LAMP CONTROL CIRCUIT 222)					
SWITCH 54		ROOF ECU 210 (LEFT-HAND REAR MAP LAMP CONTROL CIRCUIT 220)		LEFT-HAND FRONT SEAT ECU 168 (SEAT BELT SYSTEM DRIVING CIRCUIT 182)		ROOF ECU 210 (RIGHT-HAND REAR MAP LAMP CONTROL CIRCUIT 220)
SWITCH 56			LEFT-HAND REAR DOOR ECU 132 (WINDOW REGULATOR DRIVING CIRCUIT 148)	LEFT-HAND FRONT SEAT ECU 168 (SEAT BACK SYSTEM DRIVING CIRCUIT 180)	LEFT-HAND FRONT DOOR ECU 94 (WINDOW REGULATOR DRIVING CIRCUIT 122)	
SWITCH 58				LEFT-HAND FRONT SEAT ECU 168 (SEAT CUSHION SYSTEM DRIVING CIRCUIT 178)		

FIG. 7



Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

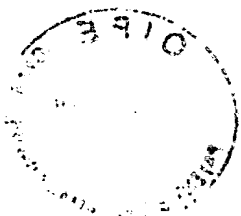


FIG. 8

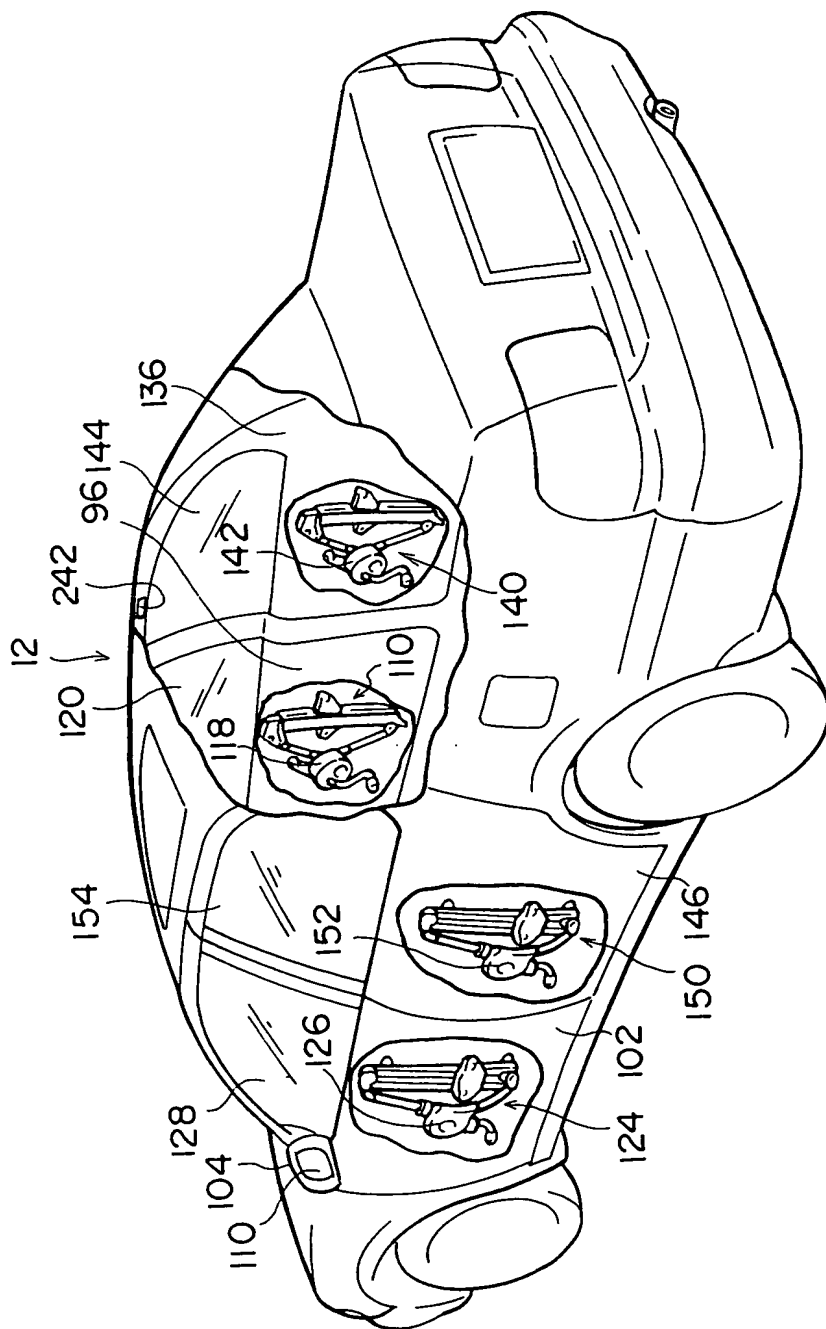


FIG.9

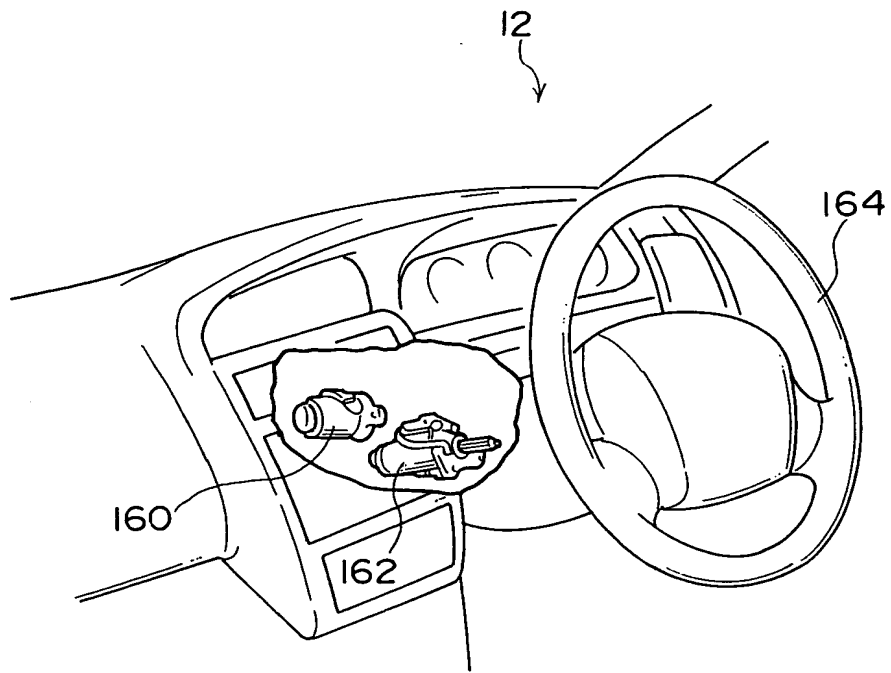
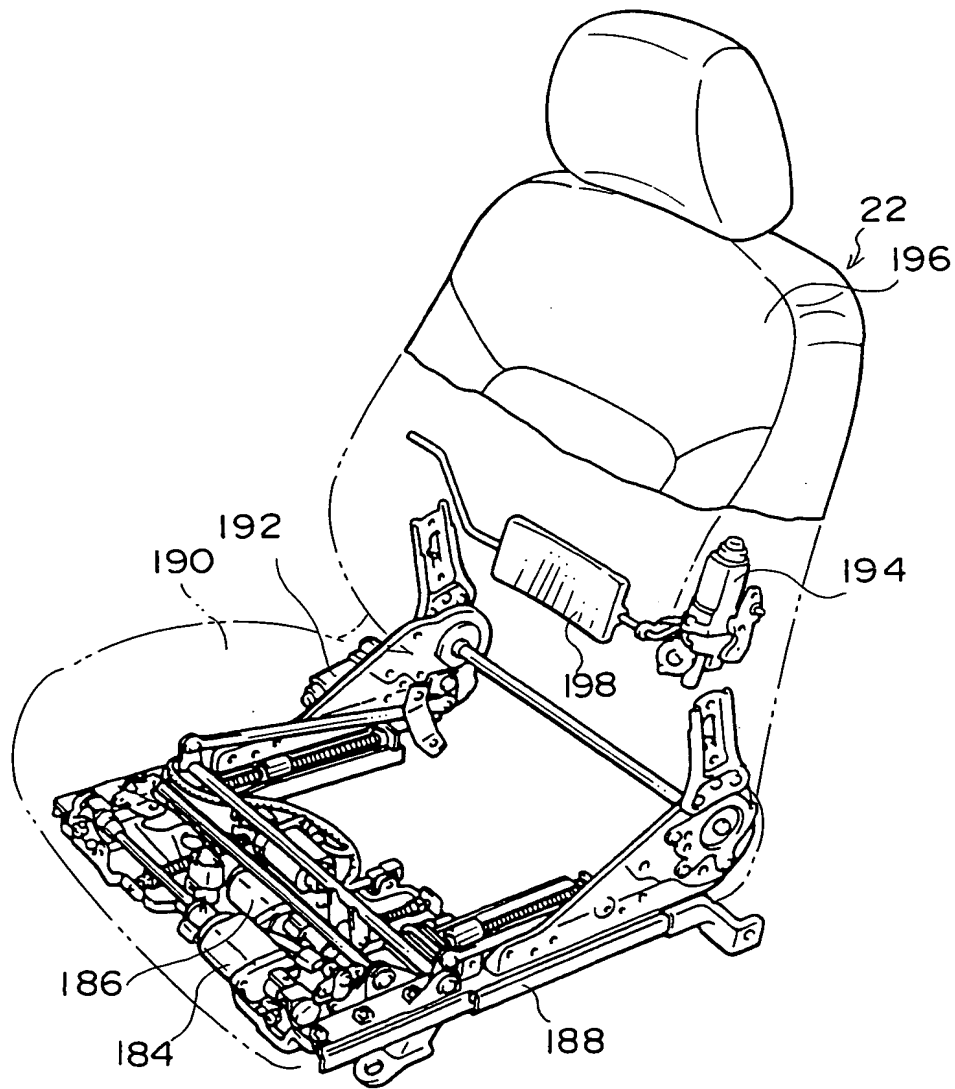


FIG.10



4005345 344302

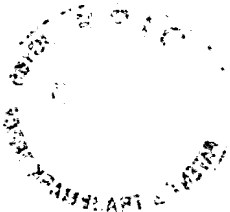


FIG. 11

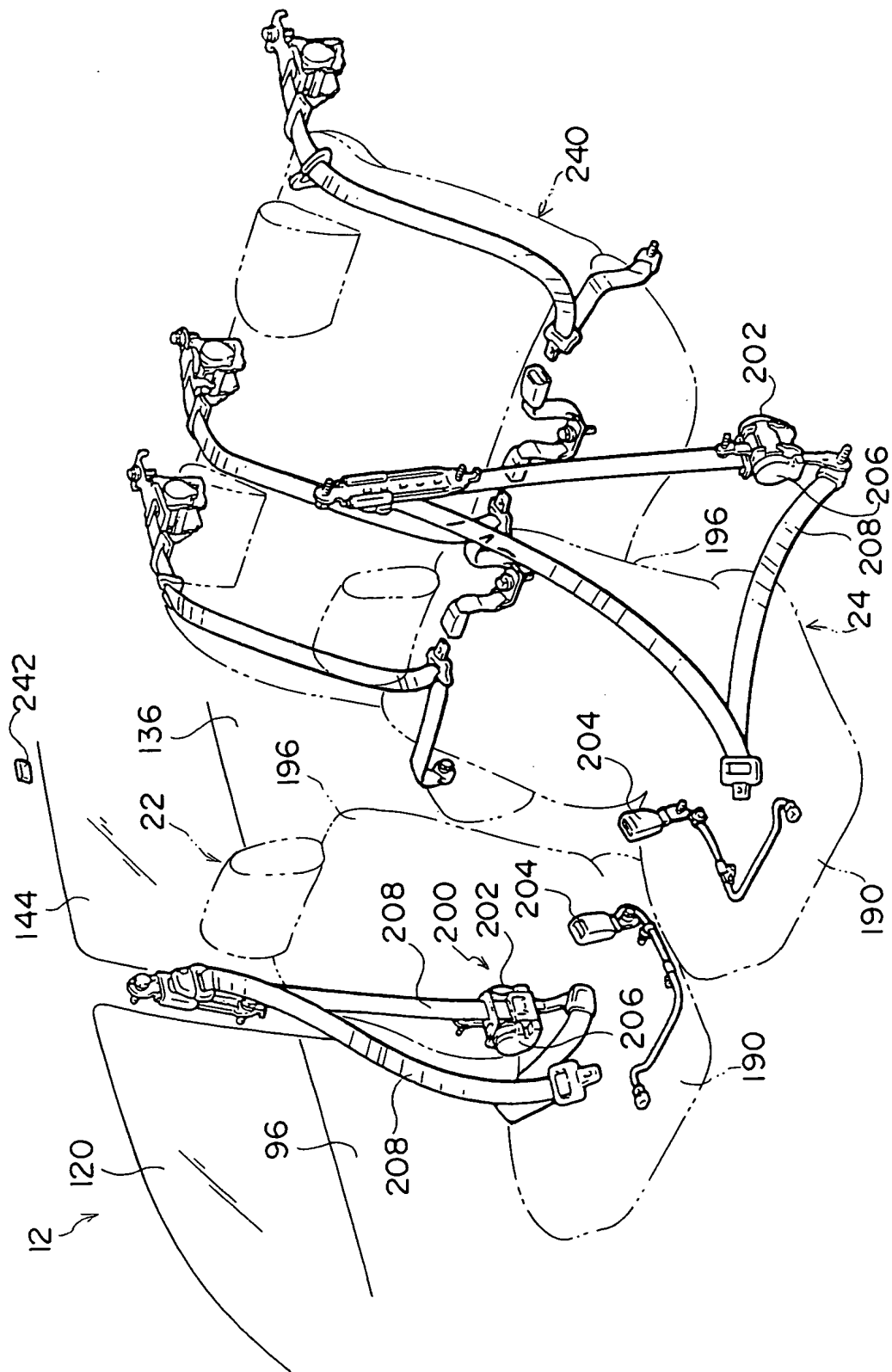


FIG.13A

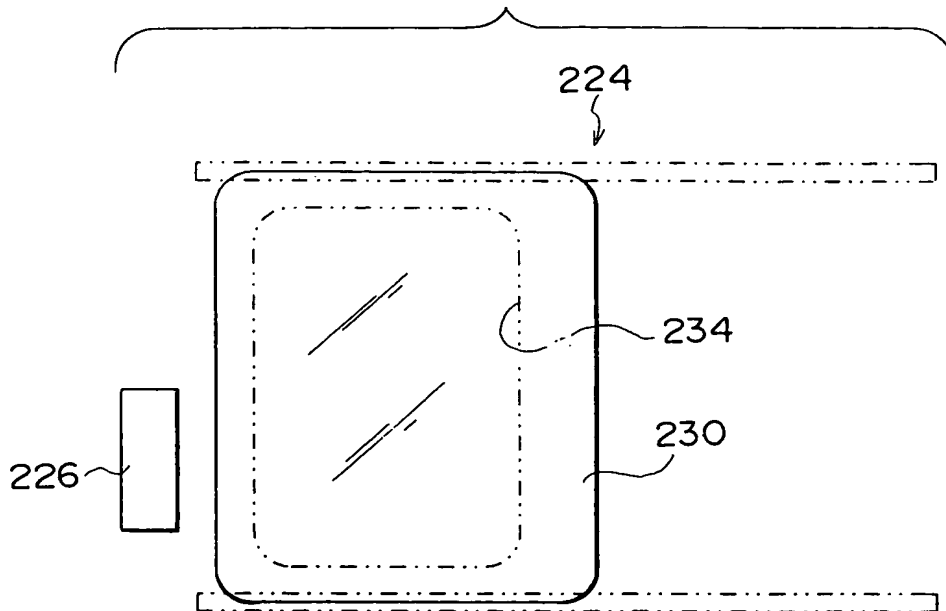


FIG.13B

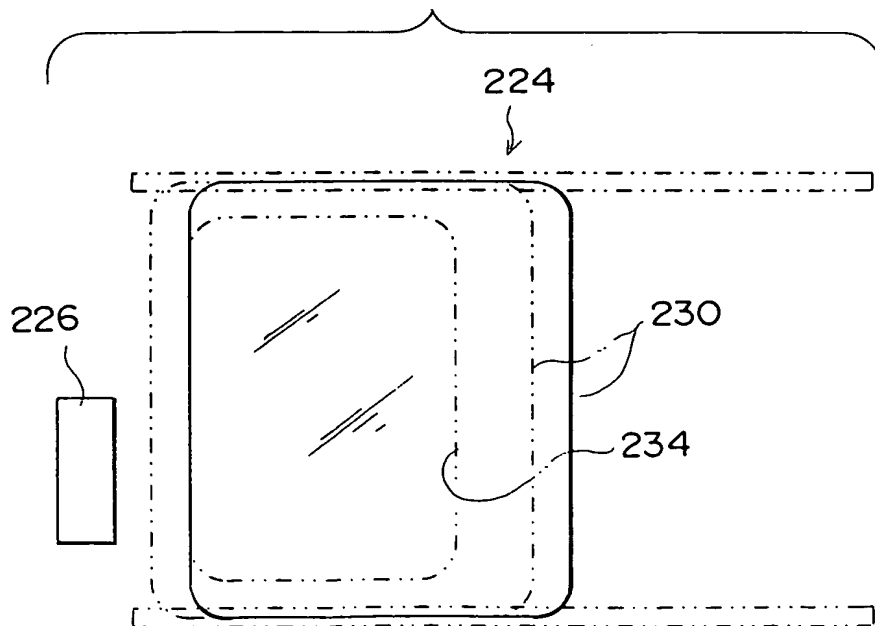


FIG.14A

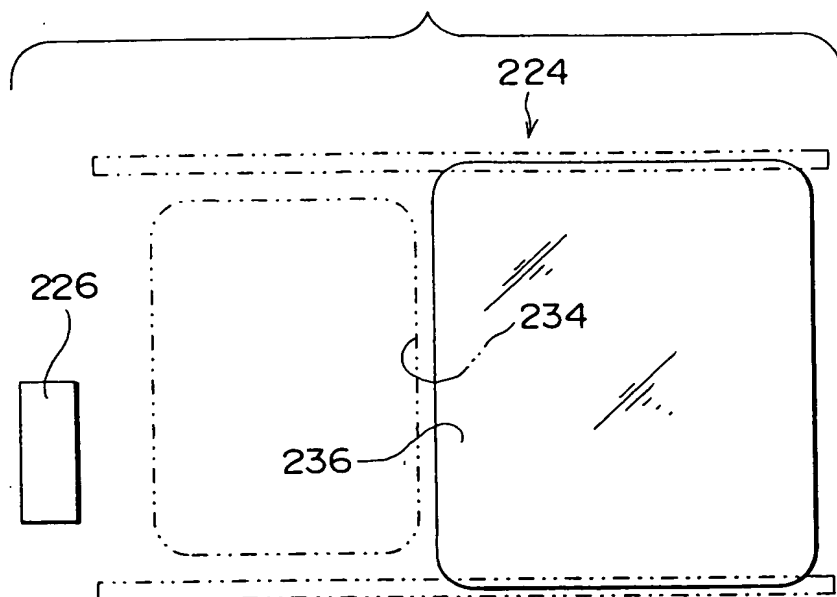


FIG.14B

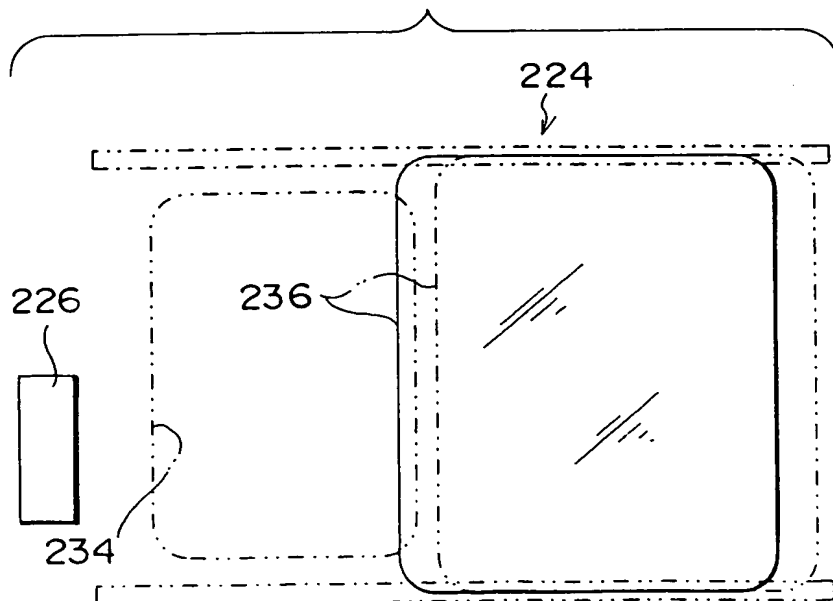


FIG.15A

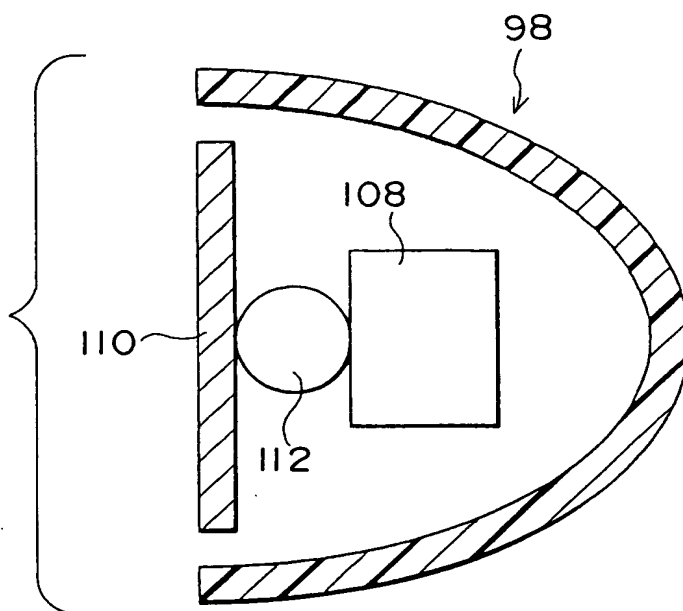


FIG. 15B

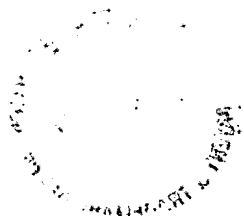
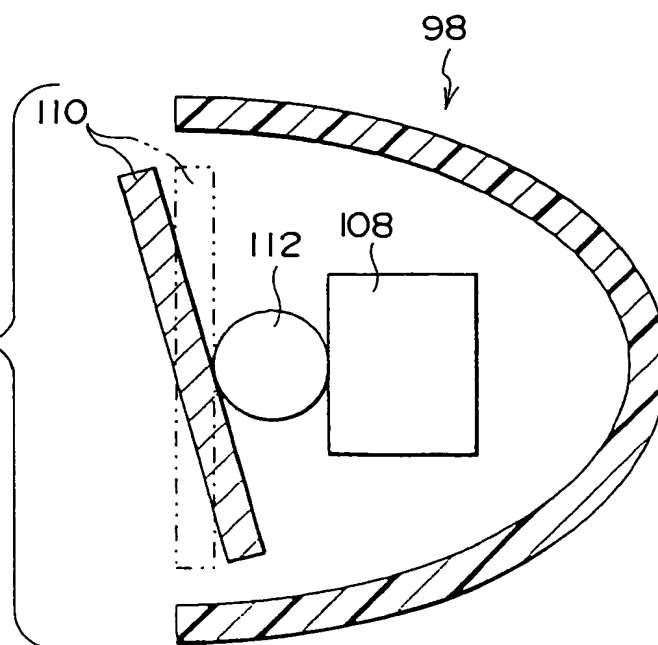


FIG.16A

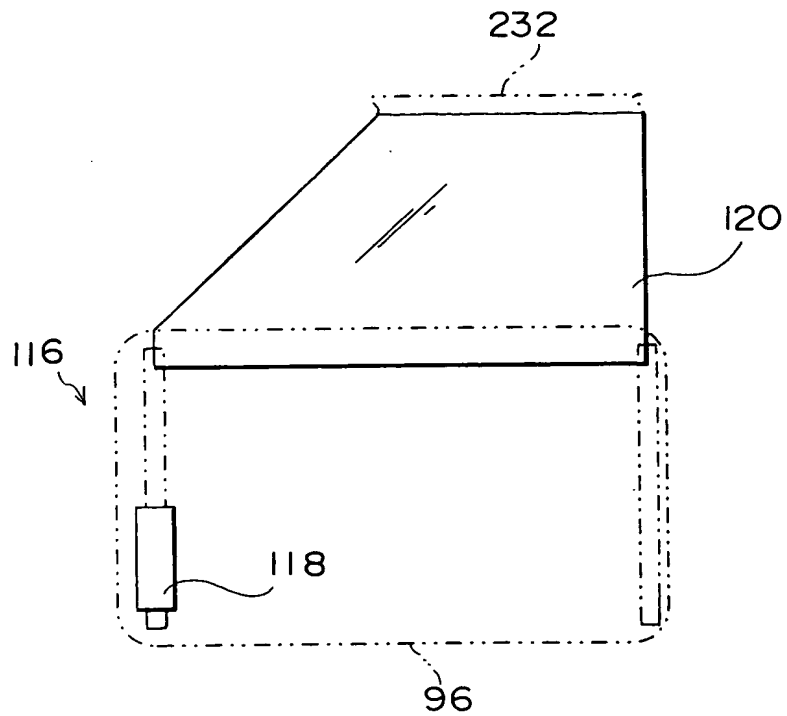
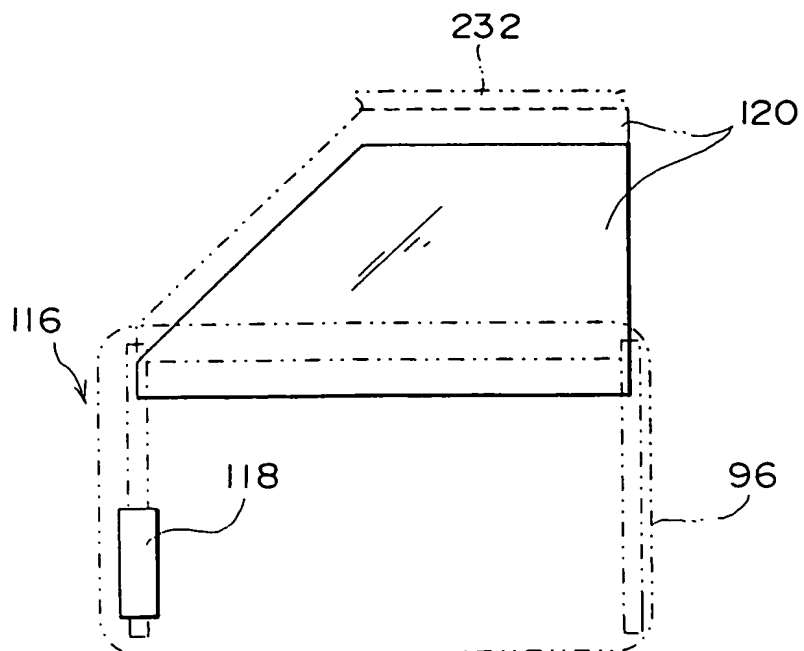


FIG.16B



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the United States
Patent and
Trademark Office

FIG.17A

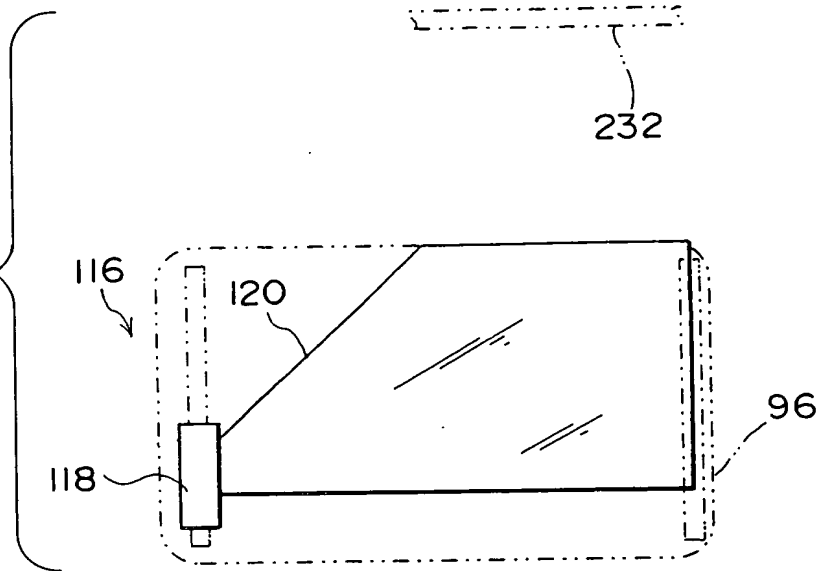


FIG.17B

